

ABSTRACT OF THE DISCLOSURE

An ultrasound transducer for an electronic device, including a housing and an ultrasonic transducer element integrated with the housing. The transducer element is capable of operating in at least one of a receiver mode and transmitter mode. In the receiver mode, the transducer element produces an electrical signal in response to an impinging acoustic signal. In the transmitter mode, the transducer element produces an acoustic signal in response to an electrical signal applied thereto. The housing has at least one surface which ensures mechanical stressing of the transducer element in a manner which causes the transducer element to produce the signals.

PTN\36291.3